

NAME: _____ Honors Bio Ch 2 Review

1. List the 6 elements(Symbol and name) which make up 99% of living things:

- a) _____
- b) _____
- c) _____
- d) _____
- e) _____
- f) _____

2. Create a table in the space below in which you list the three sub-atomic particles and identify their charge and location within the atom:

3. Define the following:

a) ELEMENT:

b) ATOM:

c) ATOMIC NUMBER:

d) MASS NUMBER:

e) MOLECULE:

f) COMPOUND:

4. Explain the "Law of Definite Proportions".

5. Explain the manner in which the Periodic Table is organized into “Periods” and “Groups”.

6. Write the name for the following groups:

- a) _____ 1A
b) _____ 8A
c) _____ 2A
d) _____ 7A

7. Explain the difference between “Metals” and “Non-metals”.

8. What is the “net” charge of an atom? _____

9. Define: ISOTOPE

10. Which is more “reactive”? Group 1A or 8A(Circle one)

11. Which is more “reactive”? Group 1A or 2A(Circle one)

12. Which is more “reactive”? Group 2A or 8A(Circle one)

13. Explain where the dividing line between metals and non-metals is located.

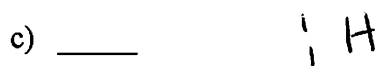
14. What is the name(s) for some elements which are located along the dividing line and show “some” characteristics of metals.

15. _____ How many neutrons are in carbon-14?

16. _____ How many protons are in neon-20?

17. _____ How many neutrons are in beryllium-9?

28. How many neutrons are in the following isotopes:



29. Write the ELECTRON CONFIGURATIONS for the following elements:

a) carbon: _____

b) chlorine: _____

c) magnesium: _____

d) nitrogen: _____

e) neon: _____

f) boron: _____

g) sodium: _____

h) silicon: _____

i) oxygen: _____

j) hydrogen: _____